

the sequence of SEQ ID NOS:4 or 6, or sequences 99% and 90% identical thereto.

Rejection of Claim 31 under 35 U.S.C. §112, second paragraph

The Examiner stated that the non-entered amendment to claim 31 would be sufficient to overcome the rejection if a clean version of said claim is included. Consistent with the Examiner's recommendation, Applicants attach herewith a Clean Version of the Claims.

Rejection of Claims 30 and 32 under 35 U.S.C. §112, first paragraph

The Examiner rejected claims 30 and 32 under 35 U.S.C. § 112, first paragraph, for asserted lack of written description, specifically with reference to the description of an isolated polypeptide comprising an amino acid sequence that is 99% identical (claim 30) and 90% identical (claim 32) to the amino acid sequence of SEQ ID NO:4 or SEQ ID NO:6. Applicants have cancelled claims 30 and 32. Thus, Applicants respectfully submit that the Examiner's rejection is moot to claims 30 and 32, and respectfully request withdrawal of the rejection.

CONCLUSION

On the basis of the foregoing amendments and remarks, Applicants respectfully submit that the pending claims are in condition for allowance, and a Notice of Allowance is respectfully requested as soon as possible. If there are any questions regarding these amendments and remarks, or if further discussion would expedite allowance of the claims, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully submitted,

Date: November 5, 2002

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Boyle, et al.

U.S. Application No. 09/545,283

Appendix A: marked up version showing the changes made in the claims

In the Claims:

Please cancel claims 30 and 32, and amend claim 31, as follows:

31. (Amended) An isolated polypeptide encoded by [the]a polynucleotide comprising the sequence of SEQ ID NO:3.

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

Corrected Version of the Drawings

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH MOUSE MACROPHAGE C-TYPE LECTIN

Score = 412 (145.0 bits), Expect = 1.2e-37, P = 1.2e-37

Identities = 85/215 (39%), Positives = 119/215 (55%), Frame = +1

SEQ ID NO. 4 5-55 EEPQDREKGLWFWQLKVNMAVSVILLVSVCTVSSVVPNFMYSKTVKRLSKLREYQQY 234 64
C-Type Lectin Receptor-Like:

EE Q + KG QL AWWSI LS CF + +V H++ T + KL +Y

Macrophage C-Type Lectin: 4 EESQMKSGTRHPQLIPCVFAVWSISFLSACFISTCLVTHHYFLRWTRGSVVKLSDY--- 60

SEQ ID NO. 4 65-235 HSSLTCVME----GKDIEDWSCCPTPTWTSFQSSCYFISTGMQSWTKSQKNCVSMGADLV 402 120
C-Type Lectin Receptor-Like:

H+ +TC+ E G W+CCP W +FQS+CYF Q+W +S++NCS M + LV

Macrophage C-Type Lectin: 61 HTRVTCIREEPQPGATGGTTCPCVSWRAFQSNCFPLNDNQTWHESENCSGMSSHLVT 120

SEQ ID NO. 4 121-403 INTTEEHDFIIHNLKRNSSYFLGLSHPRGRRHQWVDHTPYNENVTFWHSGEPPN-LDER 579 179
C-Type Lectin Receptor-Like:

INT E +F+ L + SYFLGL+ WQWVD TP+N + FW GE N+ ++E

Macrophage C-Type Lectin: 121 INTEAEQNFVTQLLDKRFYSYFLGLADENVEGQWQWVDKTPPNPHTVFWKEGESNDFMEED 180

SEQ ID NO. 4 180-580 CAIINFRSSQEWGWNIDHCHVPHKSCICEMKKIYIMKYS 696 218
C-Type Lectin Receptor-Like:

C ++ ++W WND CH + IC++ I K S

Macrophage C-Type Lectin: 181 CVVL-VHVHEKVVWVNDFFPCHFVRRICKLPGITFNWKPS 218

FIG. 1 (corrected)

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH DENDRITIC CELL IMMUNORECEPTOR

Score = 529 (186.2 bits), Expect = 4.8e-50, P = 4.8e-50

Identities = 93/188 (49%), Positives = 130/188 (69%), Frame = +1

SEQ ID NO. 4 20448 VVSILLLSVCFTVSSVPHFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIED--WSSC 29183
C-Type Lectin Receptor-Like: ++ LLL++ F ++ V+ + K + L K + H++L CV + +E+ WSSC

Dendritic Cell Immunoreceptor: 51 LIFFLLLAISFFIAFVI-----FFQYSQLEKKTKELVHTTLECVKKNMPVEETAWSSC 106

SEQ ID NO. 4 84292 PTPWTSFQSSCYFISTGMQSWTKSQKNCVSGADLVVINTTEHDFFIIHNLKRNSSYFLG 471143
C-Type Lectin Receptor-Like: P W SF S+CYFIST SW S+K+C+ M A L+VINT EE DFI NL+ S+YF+G

Dendritic Cell Immunoreceptor: 107 PKNWKSFSNCCYFISTESASWQDSEKDCARMEAHLLVINTQEEQDFIFQNLQESAYFVG 166

SEQ ID NO. 4 144472 LSHPRGRHWQWVDHTPYNENVTFWHSGEPNLDERCAIINFRSS-QEWGWNDIHCHVPH 648202
C-Type Lectin Receptor-Like: LS P G+RHWQWVD TPYNE+ TFWH EP++ +ERC ++NFR S + WGNND++C P

Dendritic Cell Immunoreceptor: 167 LSDPEGQRHWQWVDQTPYNESSTFWHPREPSPDPNERCVVLNFRKSPKRWGNDVNCILGPQ 226

SEQ ID NO. 4 203649 KSICEMKKIYI 684213
C-Type Lectin Receptor-Like: +S+CEM KI++

Dendritic Cell Immunoreceptor: 227 RSVCEMMKIHL 237

FIG. 2 (corrected)

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH C-TYPE LECTIN DDB27

Score = 529 (186.2 bits), Expect = 4.8e-50, P = 4.8e-50

Identities = 93/188 (49%), Positives = 130/188 (69%), Frame = +1

SEQ ID NO. 4 26448 VVSILLVCFVSSVPHFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIED--WSCC 29453
C-Type Lectin Receptor-Like: ++ LLL++ F ++ V+ + K + L K + H++L CV + +E+ WSCC

DDB27: 51 LIFFLLLAISFFIAFVI-----FFQKYSQLLEKKTKELVHTTLECVKKNMPVEETAWSCC 106

SEQ ID NO. 4 84 292 PTPWTSFQSSCYFISTGMQSWTKSQKNCVSGADLVVINTTEEHDFIIHNLKRNSSYFLG 471143
C-Type Lectin Receptor-Like: P W SF S+CYFIST SW S+K+C+ M A L+VINT EE DFI NL+ S+YF+G

DDB27: 107 PKNWKSFSNCCYFISTESASWQDSEKDCARMEAHLLVINTQEEQDFIFQNLQEESEAYFVG 166

SEQ ID NO. 4 144 472 LSHPRGRRHQWVDHTPYNENVTFWHSGEPNLDERCAINFRSS-QEWGWNDIHCHVPH 648202
C-Type Lectin Receptor-Like: LS P G+RHHQWVD TPYNE+ TFWH EP++ +ERC ++NFR S + WGWND++C P

DDB27: 167 LSDPEGQRHQQWVDQTPYNESSTFWHPREPSDPNERCVVNLNFRKSPKRWGWNDVNCGLGPQ 226

SEQ ID NO. 4 203649 KSICEMKKIYI 681213
C-Type Lectin Receptor-Like: +S+CEM KI++

DDB27: 227 RSVCEMMKIHL 237

FIG. 3 (corrected)

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE (CALCIUM DEPENDENT, CARBOHYDRATE RECOGNITION DOMAIN) LECTIN RECEPTOR-LIKE, SUPERFAMILY MEMBER 6

Score = 448 (157.7 bits), Expect = 1.8e-41, P = 1.8e-41

Identities = 92/209 (44%), Positives = 130/209 (62%), Frame = +1

SEQ ID NO. 4 349 PEEP-QD-REKGLWFWQKVMAMVSVLLSVCFVSSVPHFMYSKTVKRLSKLRE 222-60

C-Type Lectin Receptor-Like:

P E+P +D R+ G L + S+ ++ +LLL++ F V+ ++ YS+ ++ +

Mouse C-Type: 29 PREKPIRDLRKPGSP--SLLLTSLMLL-LLLLAITFLVAFIIFQ-KYSQLLLEKKAAKN 84

SEQ ID NO. 4 121 223 YQYHSSILTCVMEGKDIED--WSCCPTWTSFQSSCYFIST--GMQSWTKSQKNCVMDGA 390-116

C-Type Lectin Receptor-Like:

H+ L C +ED WSCCP W F S CY + T SW KS++NCS MGA

Mouse C-Type: 85 IM--HNELNCTKSVSPMEDKVMSCCPKDWRLFGSHCYLVPTVSSASWNKSEENC SRMGA 142

SEQ ID NO. 4 117 394 DLVVINTTEHDFIIHNLKRNSSYFLGLSHPRGRHWQVDHTPYNENVTFWHSGEPNL 570-176

C-Type Lectin Receptor-Like:

LVVI + EE DFI L +++YF+GL G R WQWVD TPY E++TFWH+GEP++

Mouse C-Type: 143 HLVVIQSQEEQDFITGILDTHAAYFIGL-WDTGHRQWQWVDQTPYEEISITFWHNGEPSSG 201

SEQ ID NO. 4 177 574 DERCAIINFRSSQEWGWNIDIHCHVPHKSICEMKKI 6752-11

C-Type Lectin Receptor-Like:

+E+CA I +R WGWNDI C + KS+C+MKKI

Mouse C-Type: 202 NEKCATIILYRWKTGWGWNDISCSLKKQKSVCMKKI 236

FIG. 4 (corrected)